Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

No: Second and Final Bill (For Other Works) Date.....2020

Division: **Project** Sub-Division: **Project Division**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Work Code: 006-20-000010

Schedule Docket No. Head of Account: P-3727 Est.Cost- **120.00 Lakhs**

Name of Work: **Providing new borewells and CC roads, drains developments in Nagwara Mestripalya and other adjusted layouts**

Name of Contractor and Full Address: **M/s KRIDL**

Reference to Agreement No: **EE(Project)/Ynk Zone/WO/69/2019-20** Date: **06-11-2019**

Certified that the measurements were taken by me on 22/04/2021 and recorded of Pages 383121 to 383131 of measurement Book No. 09/2019-20 and that the work is satisfactorily executed.

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 22/4/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer 22/4/21
Project Division
Yelahanka Zone
BBMP, Bangalore - 2

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	I & Part Bill 93,79,999/- IInd & final Bill 23,23,877
2)	Deduct amount to be held in reserve being.....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	IT- 46478 - Cess- 23239 - FSD- 116194 - CBT- 2324 - Rebate 60500 -
b)	Payments Now made: cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.	unadjustments items. 248,735 - deduction cheque 20,75,142 -
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	Total amount adjusted - 20,75,142 -

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Head of Account.....

Stamp

Audited & admitted for Rs. 23,23,877-

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

20,75,142- by Cheque

and Rs. 2,48,735- by Adjustment

Executive Engineer

Acct. Clerk Project Division

Asst. Exe. Engineer Project Division

Exe. Engineer Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Providing new borewells and CC Roads, drains development in Nagawara, Mestripalya and other adjacent Layouts

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and	Each	1.00	3768.00	3768.00	1.00	3768.00		3768.00	0.00	1.00	3768.00
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of	m	50.00	347.00	17350.00	50.00	17350.00		347.00	0.00	50.00	17350.00
3	50 to 100 m	m	50.00	442.00	22100.00	50.00	22100.00		442.00	0.00	50.00	22100.00
4	100 to 150 m	m	50.00	456.00	22800.00	50.00	22800.00		456.00	0.00	50.00	22800.00
5	150 to 200 m	m	50.00	536.00	26800.00	50.00	26800.00		536.00	0.00	50.00	26800.00
6	200 to 250 m	m	50.00	634.00	31700.00	50.00	31700.00		634.00	0.00	50.00	31700.00
7	250 to 300 m	m	50.00	700.00	35000.00	50.00	35000.00		700.00	0.00	50.00	35000.00
8	300 to 350 m	m	50.00	825.00	41250.00	46.00	37950.00		825.00	0.00	46.00	37950.00
9	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end	Rmtr	54.00	1325.00	71550.00	54.00	71550.00		1325.00	0.00	54.00	71550.00

Asst. Executive Engineer
Project Division

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
10	Provicing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe f ttings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. -250mm dias	Rmtr	12.00	2199.50	26394.00	12.00	26394.00		2199.50	0.00	12.00	26394.00
11	Supply and delivery at site brand New Atalanta,Suguna,CRI KIRLOSKER AND other equipment pumps 15.00 HP/11KW(30	Unit	1.00	63498.00	63498.00	1.00	63498.00		63498.00	0.00	1.00	63498.00
12	KSRB13-3.1: Providing and fixing to wall celling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications	Mtr	280.00	542.72	151961.60	280.00	151961.60		542.72	0.00	280.00	151961.60
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990	Mtr	580.00	205.00	118900.00	576.00	118080.00		205.00	0.00	576.00	118080.00
14	Supplying and Fixing 20"x20"x2.5"polished wood board made up not less than 15mm thick plank with front plank one end provicing for olding at other end fixing the same to the valve using tapered bolts and nuts,	Each	1.00	292.00	292.00	1.00	292.00		292.00	0.00	1.00	292.00
15	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1993 and confirming to GTP of group.A.4 Core 16Sqmm.	Mtr	24.00	150.00	3600.00	24.00	3600.00		150.00	0.00	24.00	3600.00
16	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)	Mtr	24.00	10.80	259.20	24.00	259.20		10.80	0.00	24.00	259.20
17	Supplying and fixing of procelin fuse channel with e on existing wooden / panel using necessary nuts, bolts and washers , 63 Amps	Each	1.00	227.00	227.00	1.00	227.00		227.00	0.00	1.00	227.00
18	Supplying and fixing maniature circuit breakers on existing MCB Distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross -3 with short circuit breaking capacity of 10K And Completed wiring confirming to IEC 60898 50-63 Amps TPN	NO	1.00	2397.00	2397.00	1.00	2397.00		2397.00	0.00	1.00	2397.00

Asst. Executive Engineer

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
19	KSRB 13-7.1-4: Providing and fixing in position 65mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No.90 Item No. 13.56 / PWD SR 2018-19	NOS	1.00	1831.68	1831.68	1.00	1831.68		1831.68	0.00	1.00	1831.68
20	Provicing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No.92/ I. No. 13.81.3 PWD SR 2018-19	NOS	1.00	222.60	222.60	1.00	222.60		222.60	0.00	1.00	222.60
21	Gate valve 65mm nominal bore gun metal P. No.XXVI sl No. 662 PWD SR	NOS	1.00	1694.92	1694.92	1.00	1694.92		1694.92	0.00	1.00	1694.92
22	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.Above 12.5 HP upto 25 HP (P No. 24 / I No.5.2.2 KPWD Electrical SR 2019-20)	NO	1.00	8000.00	8000.00	1.00	8000.00		8000.00	0.00	1.00	8000.00
23	Earth work excavation By Manuall Means for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in Soft rock/ ordinary rock not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications. (P.No.6, I.No.2.3) PWD SR 2018-19	cum	128.10	316.94	40600.01	125.43	39753.78		316.94	0.00	125.43	39753.78
24	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.(P.No.7, I.No.2.13) PWD SR 2018-19	cum	45.75	2183.60	99899.70	45.30	98917.08		2183.60	0.00	45.30	98917.08
25	KSRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 (Page no.94, Item No.13.73.2) PWD SR 2018-19	Rmtr	305.00	394.32	120267.60	303.00	119478.96		394.32	0.00	303.00	119478.96

Asst. Executive Engineer
Project Division
Yelahanka Zone

Sl No	Description of Work	Unit	As per Sheduale -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
26	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (Page No.7, Item No. 2.11) PWD SR 2018-19	cum	82.35	128.26	10562.21	80.13	10277.47		128.26	0.00	80.13	10277.47
27	BESCOM Deposit	Ls	1.00	13000.00	13000.00	0.00	0.00	1.00	9050.00	9050.00	1.00	9050.00
28	KSRRE 300 - Excavation for road, drains and similar works KSRRE 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specif cations. MORTH / Chapter 3 (P.No-143, I.No-19.1)	cum	688.50	215.28	148220.28	688.26	148168.61		215.28	0.00	688.26	148168.61
29	KSRRE M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	cum	528.22	5421.90	2863928.91	342.68	1857976.69	185.41	5421.90	1005250.08	528.09	2863226.77
30	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2)	cum	199.07	7070.20	1407429.36	199.02	1407111.20		7070.20	0.00	199.02	1407111.20

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
31	KSRRE - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2)	Tonne	12.05	73992.24	891414.11	12.05	891414.11		73992.24	0.00	12.05	89141411
32	Provicing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	540.90	2337.00	1264083.30	540.54	1263241.98		2337.00	0.00	540.54	126324198
33	Provicing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	7.20	5418.00	39009.60	7.20	39009.60		5418.00	0.00	7.20	39009.60
34	KSRRE M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead (I No-19.14,P No-143)	Cum	813.91	69.06	56208.62	464.18	32056.13	349.70	69.06	24150.06	813.87	56206.19
35	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriagecting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	cum	45.60	1994.92	90968.35	45.55	90863.62		1994.92	0.00	45.55	90863.62

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
36	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 1shed with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable	cum	417.56	5210.96	2175862.40	232.09	1209406.50	185.41	5210.96	966140.64	417.49	2175547.14
37	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.	Nos	836.00	432.48	361553.28	824.00	356363.52		432.48	0.00	824.00	356363.52
38	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1)	Sqm	131.60	84.80	11159.68	110.33	9355.56		84.80	0.00	110.33	9355.56
	Total				**10245763.43**		**8220870.83**			**2004590.78**		**10225461.61**
	GST 12%				**1227931.61**		**986504.50**			**239464.89**		**1225969.39**
	KRIDL 4%				**409310.54**		**328834.83**			**79821.63**		**408656.46**
	Grand total				**11883005.58**		**9536210.16**			**2323877.31**		**11860087.47**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

NEWGEN CONSULTANT BANGALORE

Newgen Consultants Bangalore

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone